

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070623\
 Data File : VX036427.D
 Acq On : 06 Jul 2023 11:55
 Operator : JC/MD
 Sample : 03500-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-060923

Quant Time: Jul 07 01:45:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

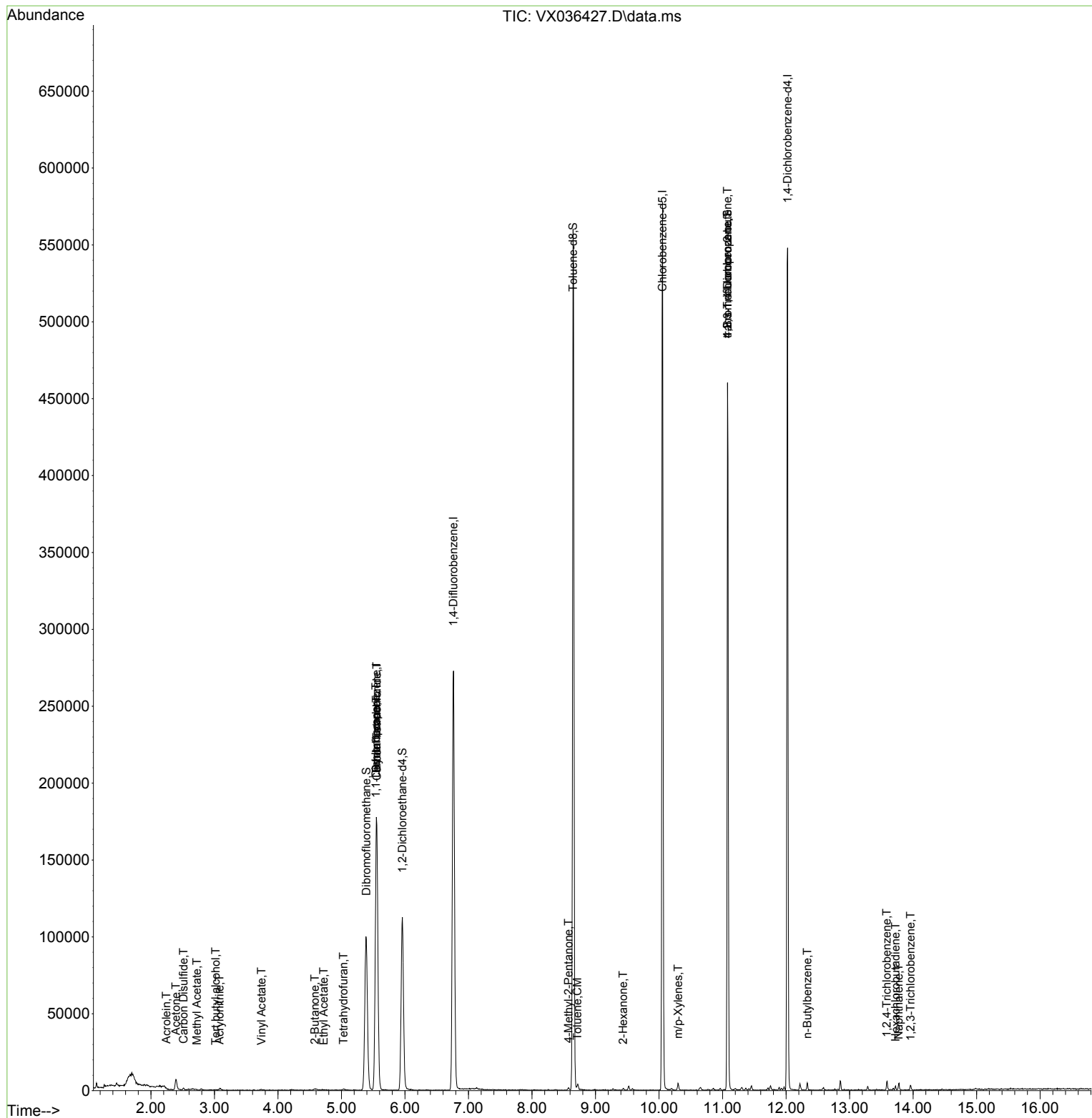
Internal Standards						
1) Pentafluorobenzene	5.550	168	166879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	278073	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	105764	44.214	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.420%		
35) Dibromofluoromethane	5.391	113	89051	48.568	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.140%		
50) Toluene-d8	8.647	98	336002	49.064	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.120%		
62) 4-Bromofluorobenzene	11.079	95	120457	49.937	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.880%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.020	59	263	0.604	ug/l #	78
13) Acrolein	2.239	56	343	0.574	ug/l	98
15) Acrylonitrile	3.081	53	425	0.385	ug/l #	66
16) Acetone	2.392	43	9371	9.165	ug/l	100
17) Carbon Disulfide	2.514	76	1595	0.342	ug/l #	92
18) Methyl Acetate	2.721	43	861	0.205	ug/l #	53
23) Vinyl Acetate	3.739	43	1116	0.249	ug/l #	73
25) 2-Butanone	4.581	43	1583	1.078	ug/l #	87
29) Tetrahydrofuran	5.032	42	633	0.677	ug/l #	51
31) Cyclohexane	5.550	56	3458	1.128	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	13165	4.817	ug/l #	50
37) Ethyl Acetate	4.721	43	838	0.301	ug/l #	69
38) Carbon Tetrachloride	5.556	117	16413	6.575	ug/l #	16
51) 4-Methyl-2-Pentanone	8.574	43	1190	0.416	ug/l #	78
52) Toluene	8.714	92	1234	0.255	ug/l	87
59) 2-Hexanone	9.433	43	856	0.409	ug/l	88
68) m/p-Xylenes	10.299	106	985	0.266	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	60668	25.021	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	60668	81.563	ug/l #	5
89) n-Butylbenzene	12.335	91	1530	0.233	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	969	0.413	ug/l	83
94) Hexachlorobutadiene	13.725	225	520	0.541	ug/l	88
95) Naphthalene	13.774	128	3176	0.409	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	935	0.408	ug/l	92

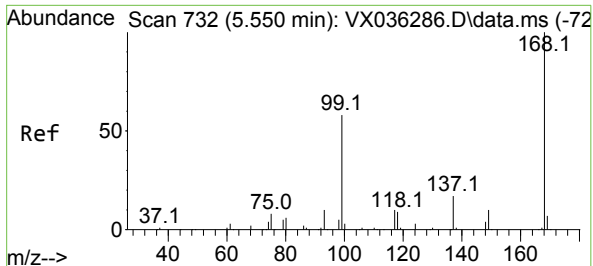
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 07 01:45:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

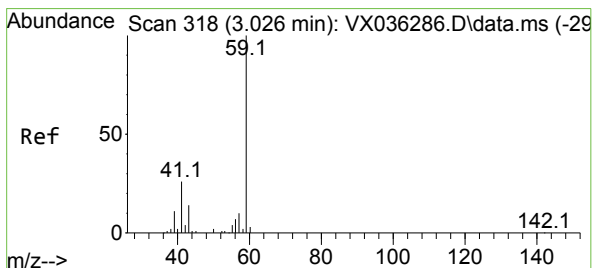
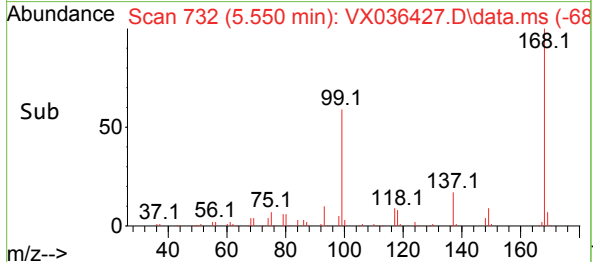
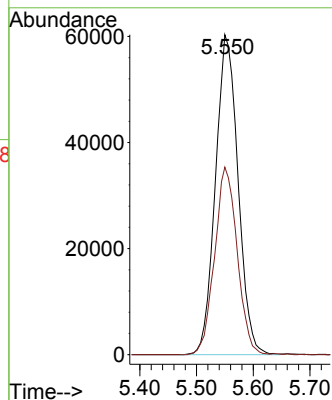
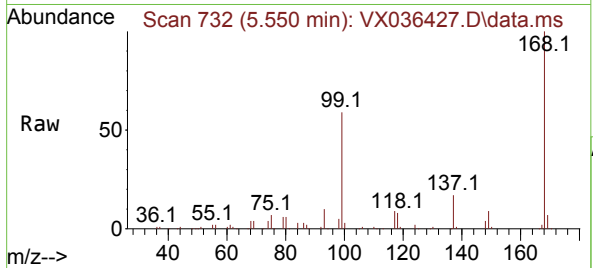




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

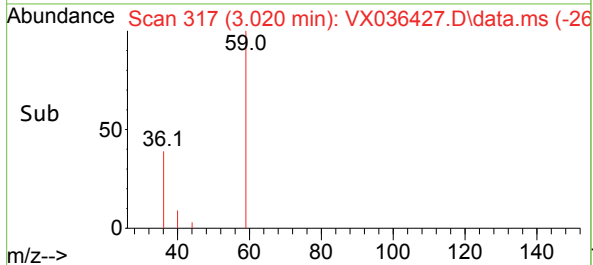
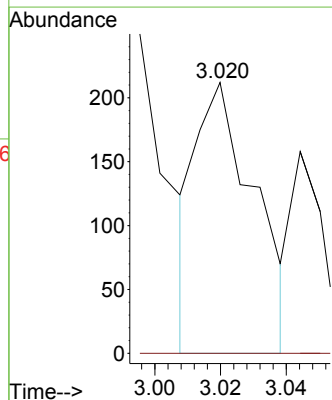
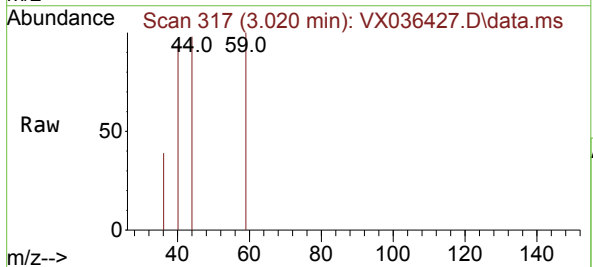
Instrument :
MSVOA_X
ClientSampleId :
FB-060923

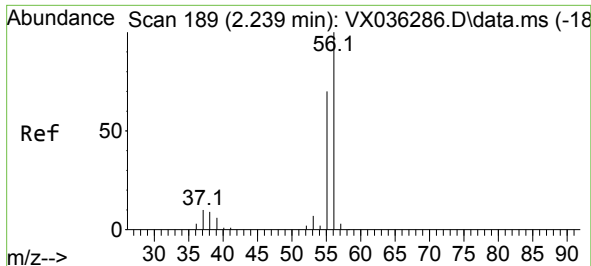
Tgt Ion:168 Resp: 166879
Ion Ratio Lower Upper
168 100
99 58.6 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.604 ug/l
RT: 3.020 min Scan# 317
Delta R.T. 0.007 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

Tgt Ion: 59 Resp: 263
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

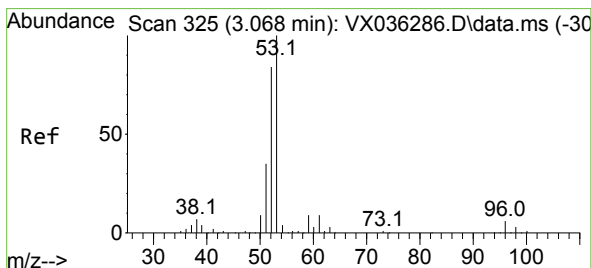
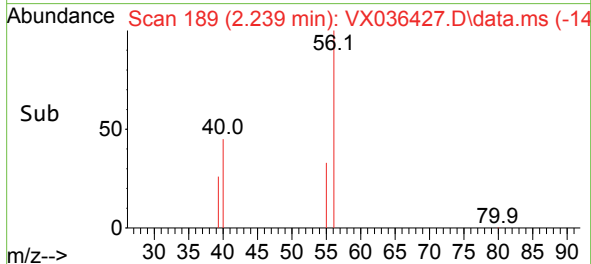
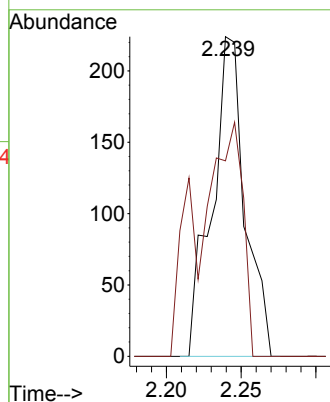
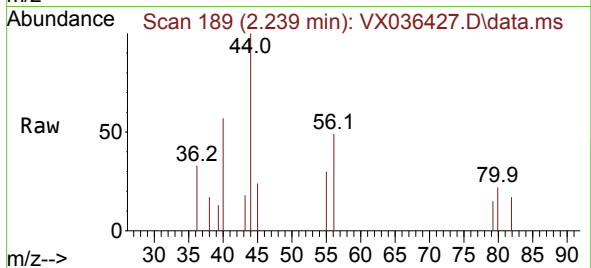




#13
Acrolein
Concen: 0.574 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

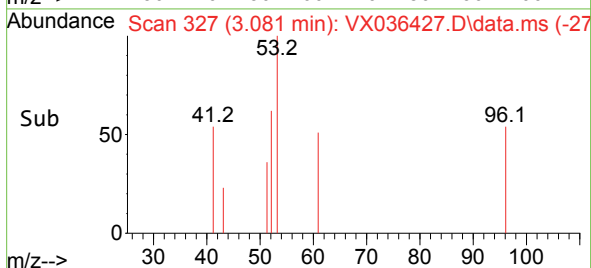
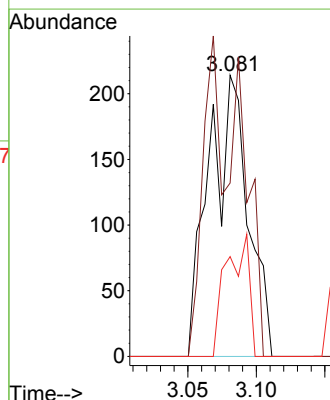
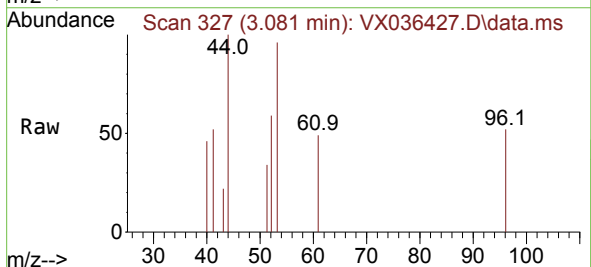
Instrument :
MSVOA_X
ClientSampleId :
FB-060923

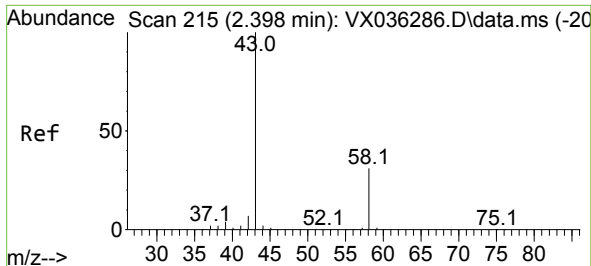
Tgt Ion: 56 Resp: 343
Ion Ratio Lower Upper
56 100
55 70.0 57.1 85.7



#15
Acrylonitrile
Concen: 0.385 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.007 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

Tgt Ion: 53 Resp: 425
Ion Ratio Lower Upper
53 100
52 63.3 66.0 99.0#
51 0.0 29.8 44.6#

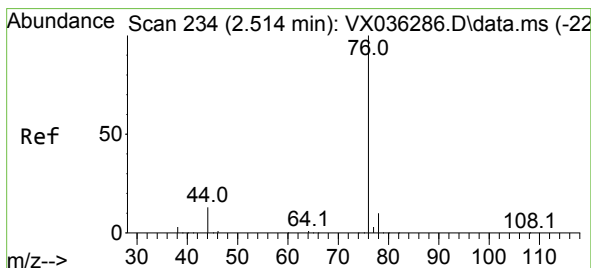
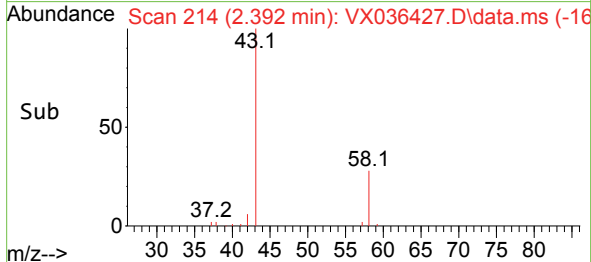
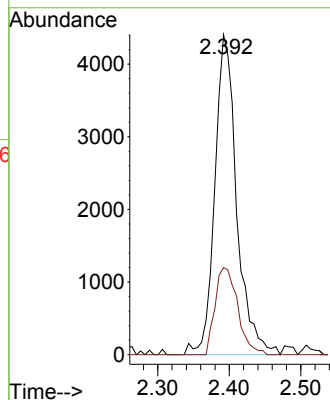
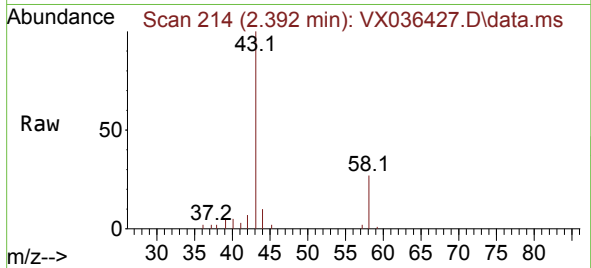




#16
Acetone
Concen: 9.165 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

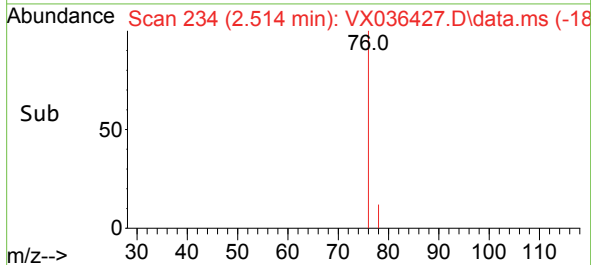
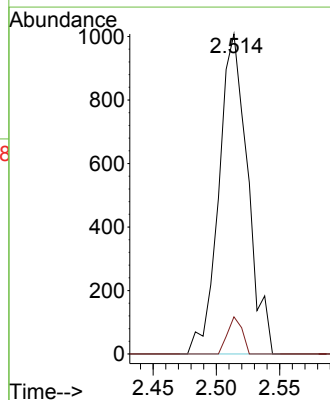
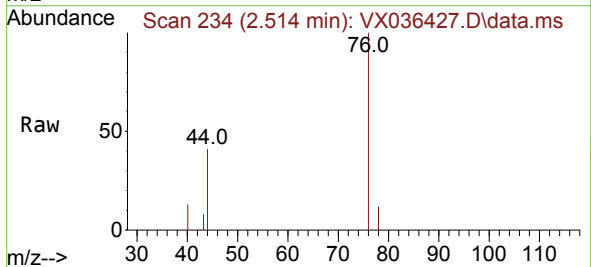
Instrument :
MSVOA_X
ClientSampleId :
FB-060923

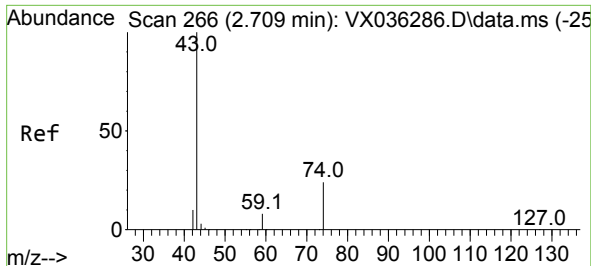
Tgt Ion: 43 Resp: 9371
Ion Ratio Lower Upper
43 100
58 27.2 21.9 32.9



#17
Carbon Disulfide
Concen: 0.342 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.001 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

Tgt Ion: 76 Resp: 1595
Ion Ratio Lower Upper
76 100
78 11.6 7.0 10.6#

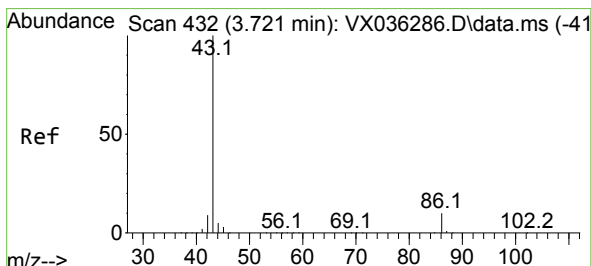
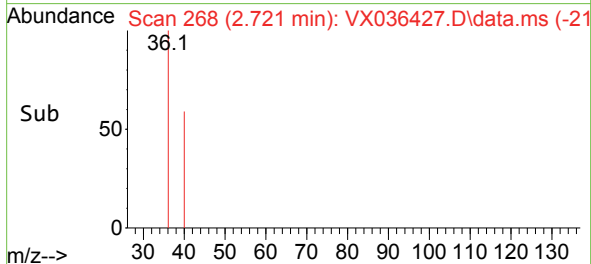
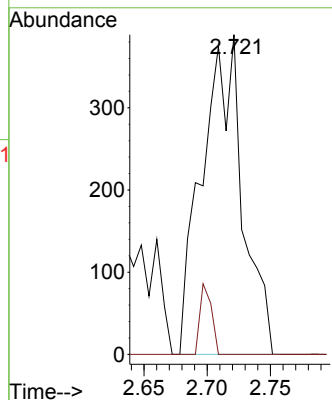
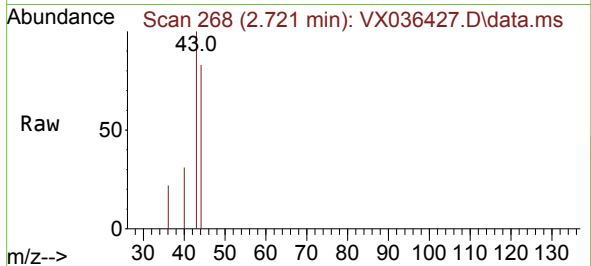




#18
Methyl Acetate
Concen: 0.205 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

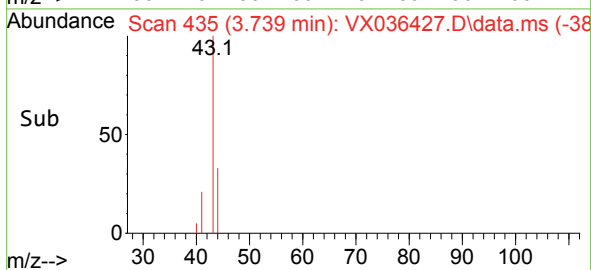
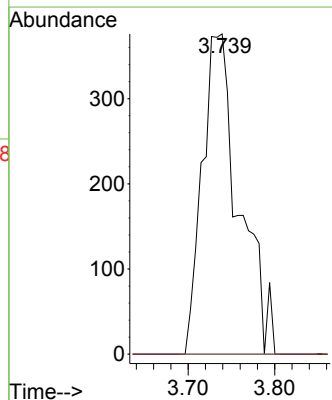
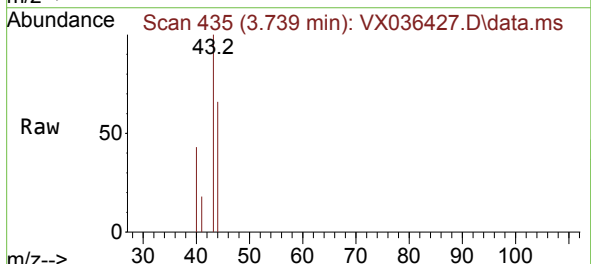
Instrument :
MSVOA_X
ClientSampleId :
FB-060923

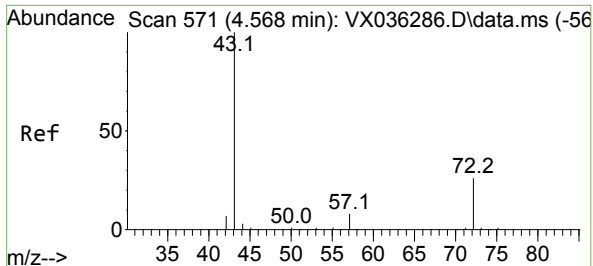
Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#23
Vinyl Acetate
Concen: 0.249 ug/l
RT: 3.739 min Scan# 435
Delta R.T. 0.018 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

Tgt Ion: 43 Resp: 1116
Ion Ratio Lower Upper
43 100
86 0.0 7.8 11.8#





#25

2-Butanone

Concen: 1.078 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.013 min

Lab File: VX036427.D

Acq: 06 Jul 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

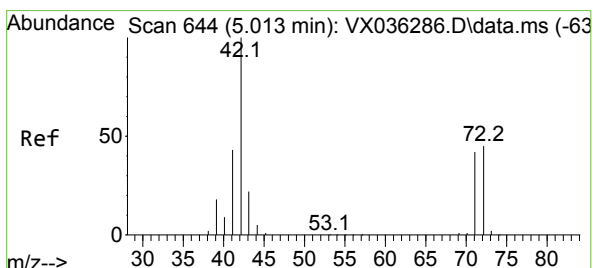
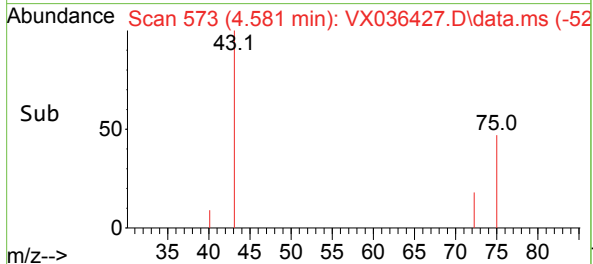
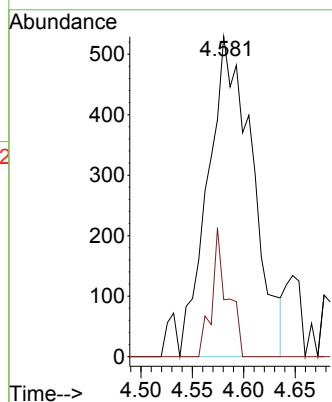
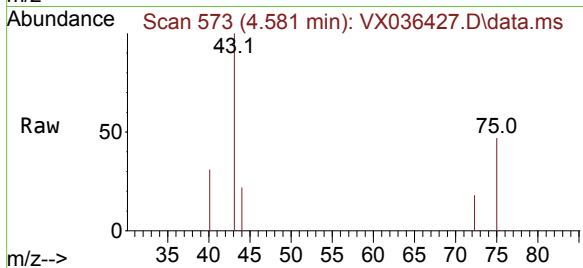
FB-060923

Tgt Ion: 43 Resp: 1583

Ion Ratio Lower Upper

43 100

72 17.8 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.677 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX036427.D

Acq: 06 Jul 2023 11:55

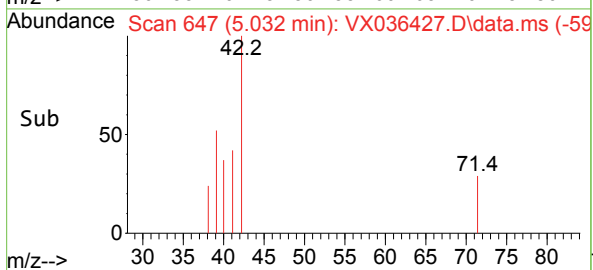
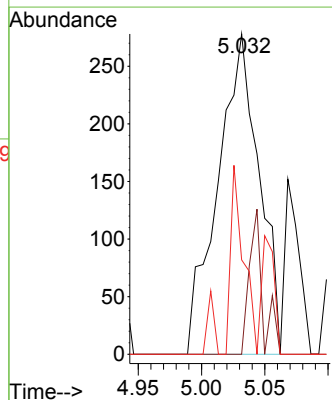
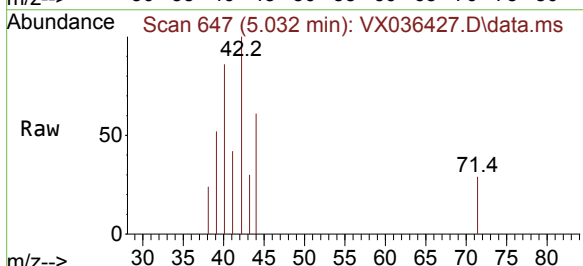
Tgt Ion: 42 Resp: 633

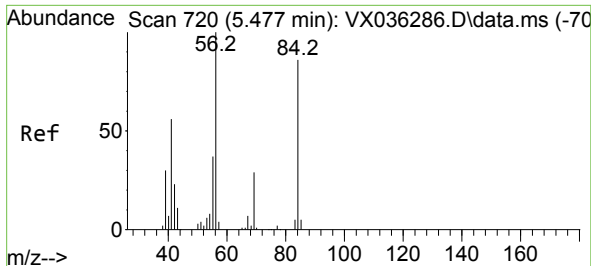
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 21.5 32.2 48.2#

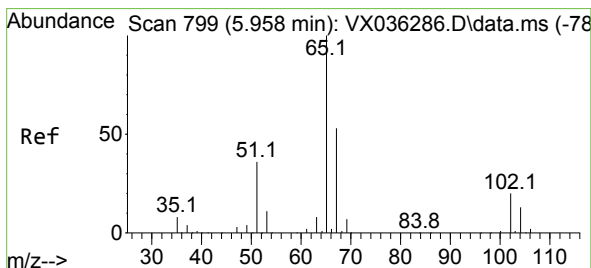
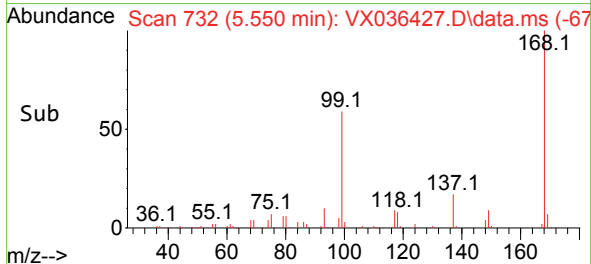
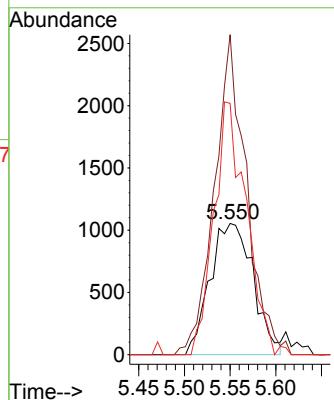
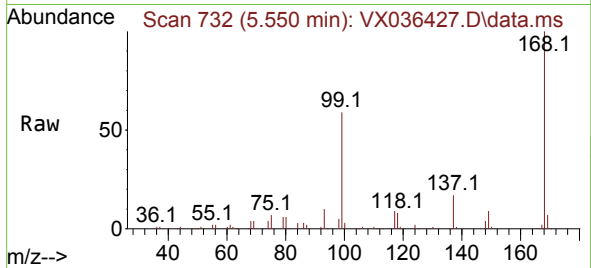




#31
Cyclohexane
Concen: 1.128 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.080 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

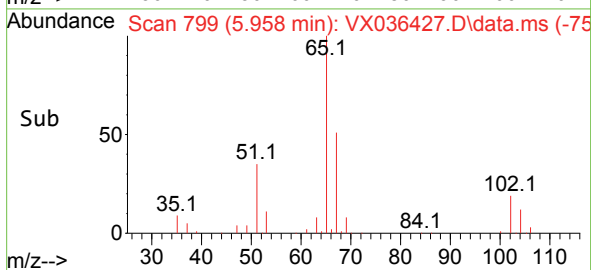
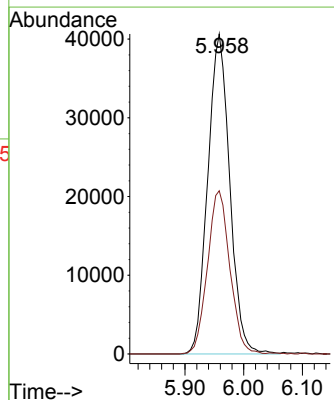
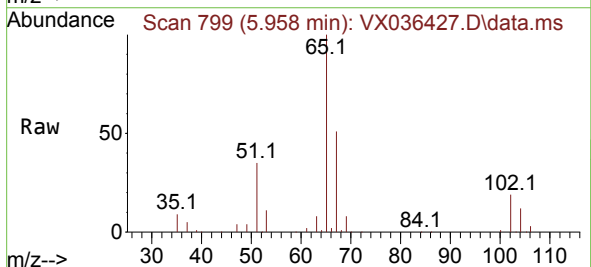
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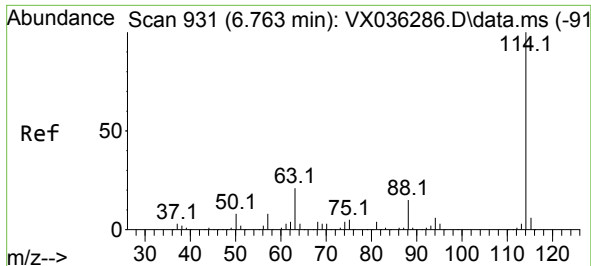
Tgt Ion: 56 Resp: 3458
Ion Ratio Lower Upper
56 100
69 238.7 23.4 35.2#
84 191.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 44.214 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

Tgt Ion: 65 Resp: 105764
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX036427.D

Acq: 06 Jul 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

FB-060923

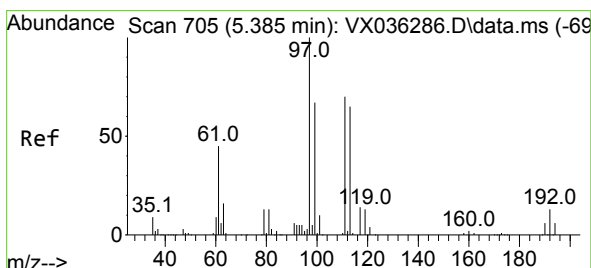
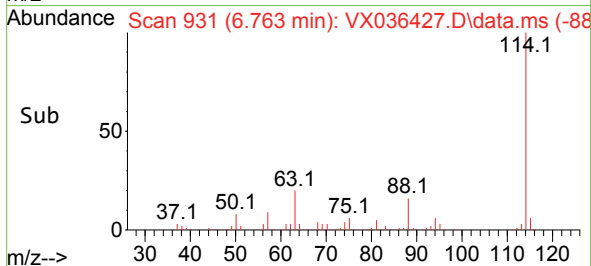
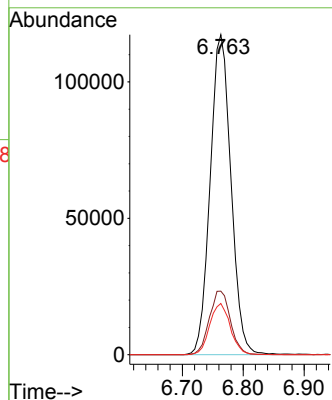
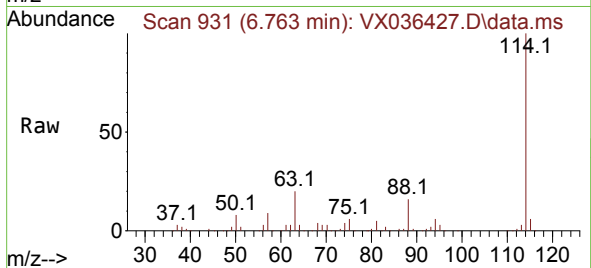
Tgt Ion:114 Resp: 278073

Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

88 16.0 0.0 36.6



#35

Dibromofluoromethane

Concen: 48.568 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX036427.D

Acq: 06 Jul 2023 11:55

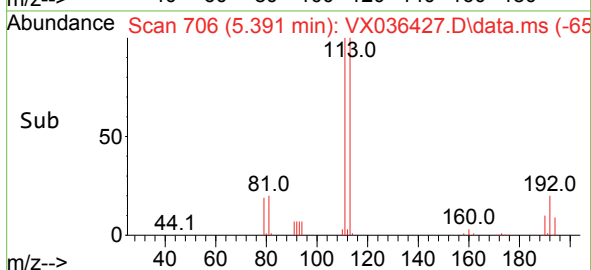
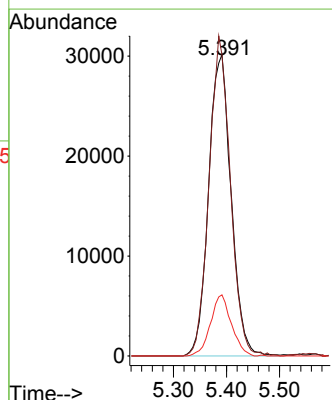
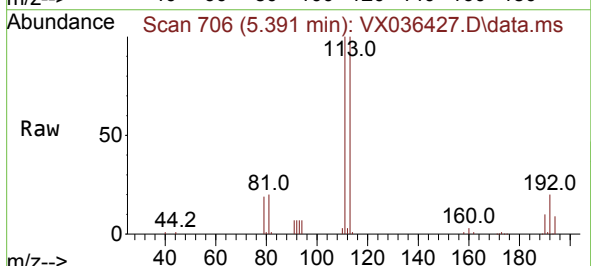
Tgt Ion:113 Resp: 89051

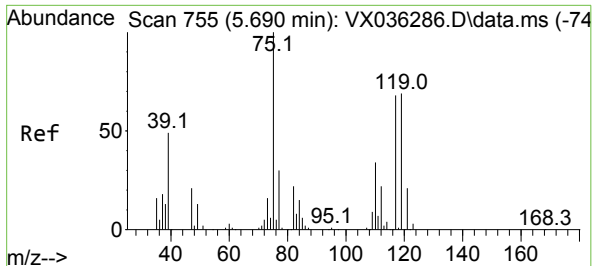
Ion Ratio Lower Upper

113 100

111 100.2 82.9 124.3

192 18.8 13.3 19.9

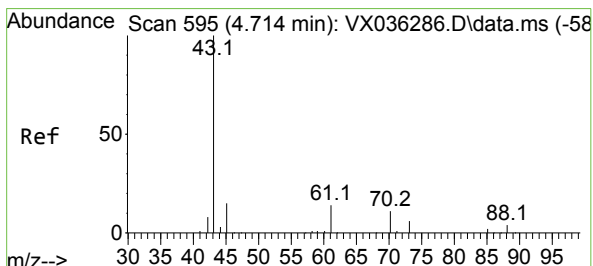
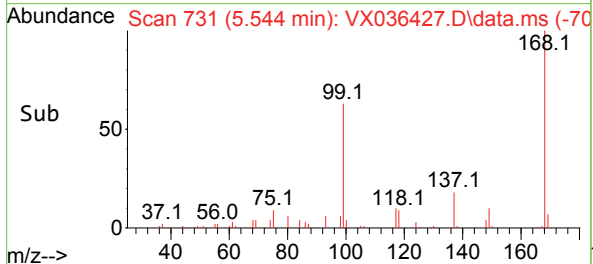
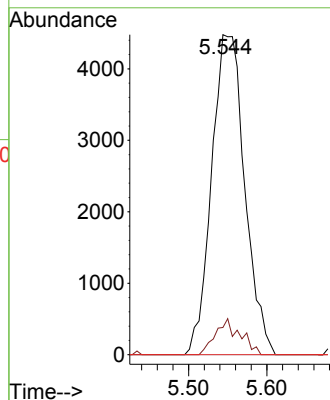
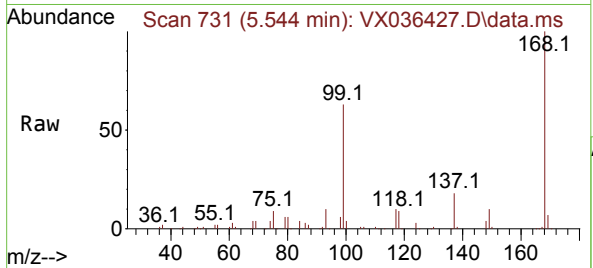




#36
1,1-Dichloropropene
Concen: 4.817 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

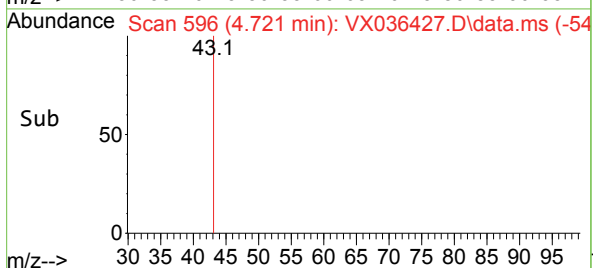
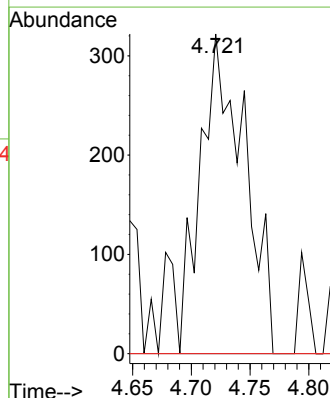
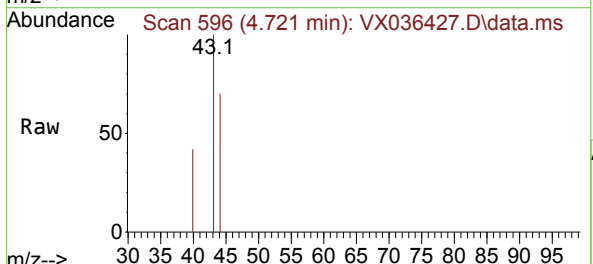
Instrument :
MSVOA_X
ClientSampleId :
FB-060923

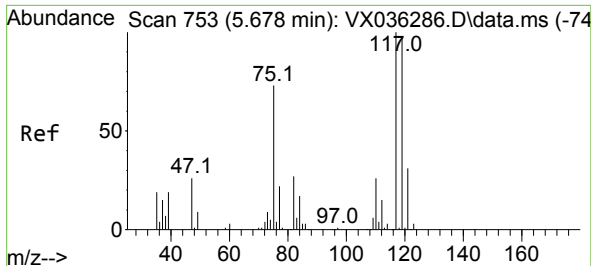
Tgt Ion: 75 Resp: 13165
Ion Ratio Lower Upper
75 100
110 8.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.301 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.007 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

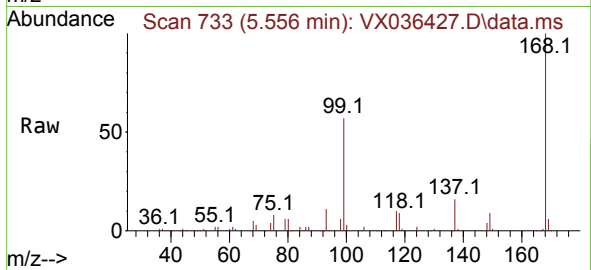
Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



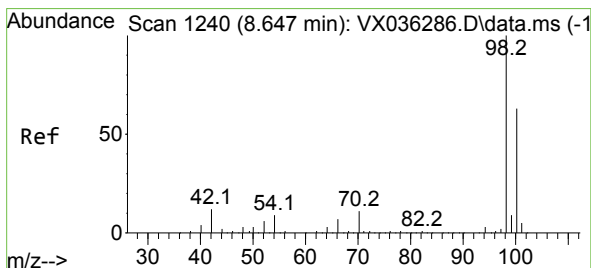
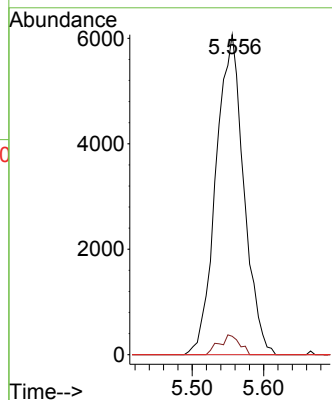
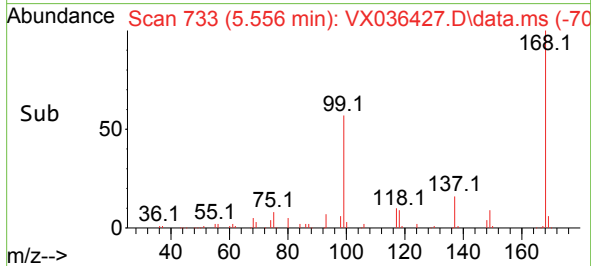


#38
Carbon Tetrachloride
Concen: 6.575 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.122 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

Instrument :
MSVOA_X
ClientSampleId :
FB-060923

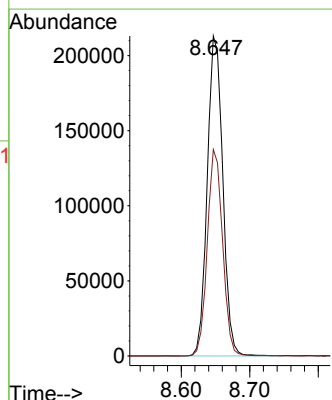
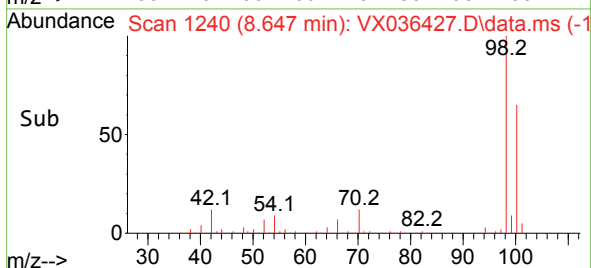
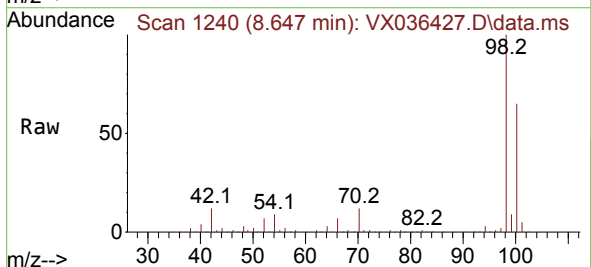


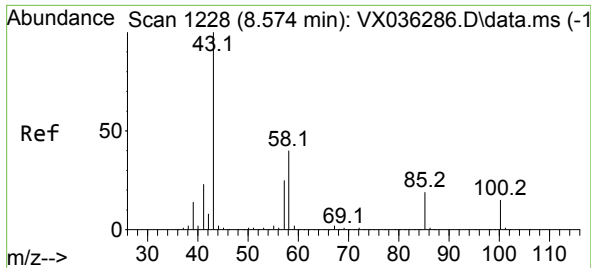
Tgt Ion:117 Resp: 16413
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.064 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

Tgt Ion: 98 Resp: 336002
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7

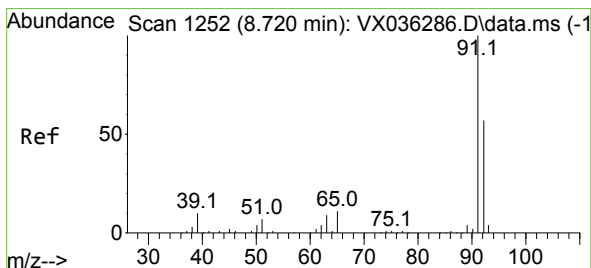
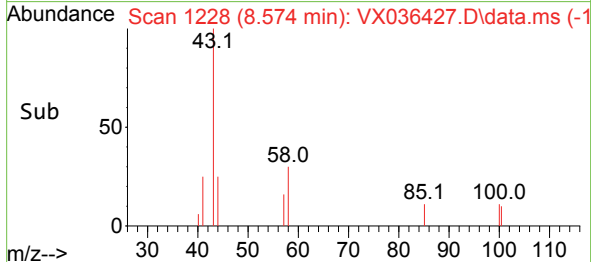
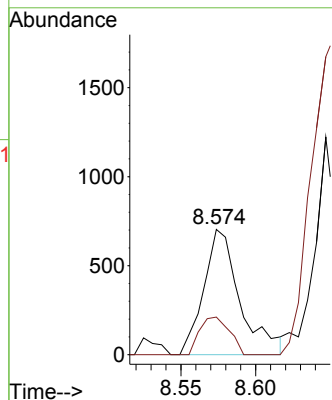
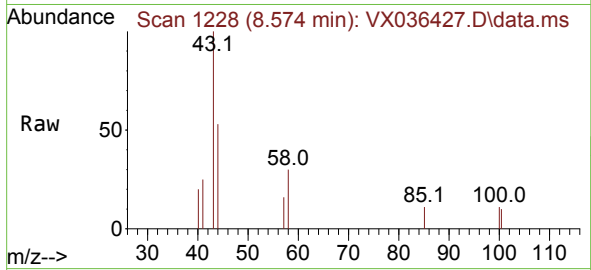




#51
4-Methyl-2-Pentanone
Concen: 0.416 ug/l
RT: 8.574 min Scan# 1190
Delta R.T. 0.001 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

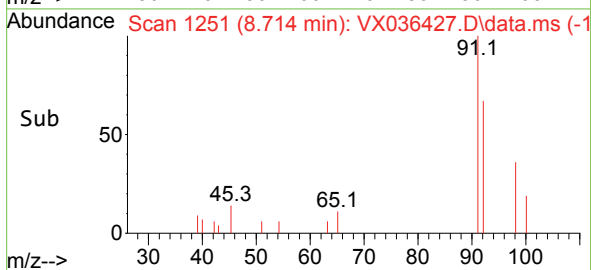
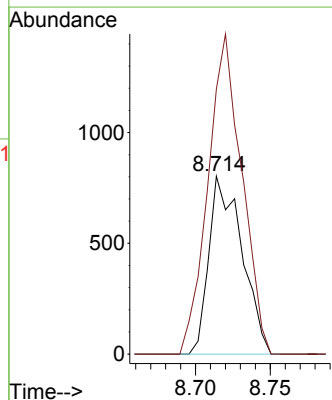
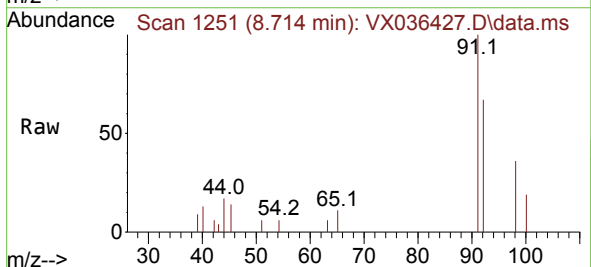
Instrument :
MSVOA_X
ClientSampleId :
FB-060923

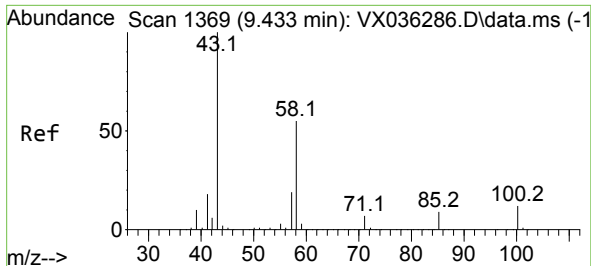
Tgt Ion: 43 Resp: 1190
Ion Ratio Lower Upper
43 100
58 24.5 30.4 45.6#



#52
Toluene
Concen: 0.255 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

Tgt Ion: 92 Resp: 1234
Ion Ratio Lower Upper
92 100
91 184.8 134.2 201.2





#59

2-Hexanone

Concen: 0.409 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX036427.D

Acq: 06 Jul 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

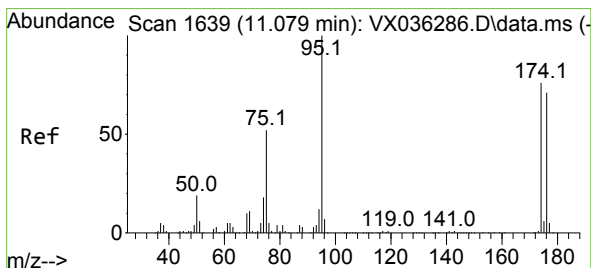
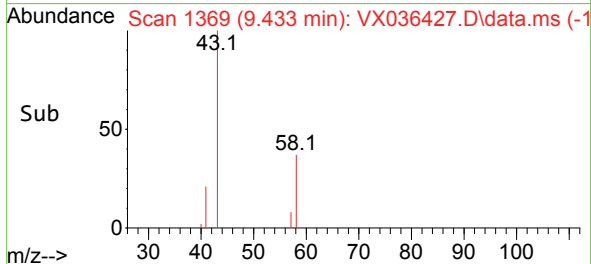
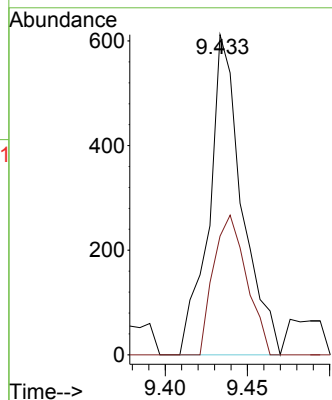
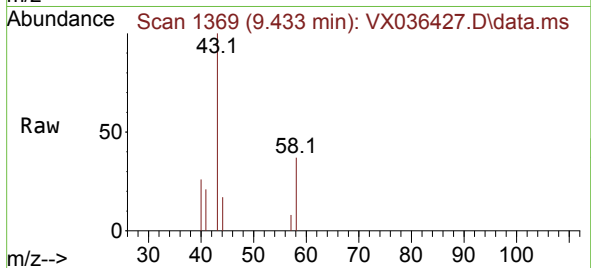
FB-060923

Tgt Ion: 43 Resp: 856

Ion Ratio Lower Upper

43 100

58 43.7 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 49.937 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX036427.D

Acq: 06 Jul 2023 11:55

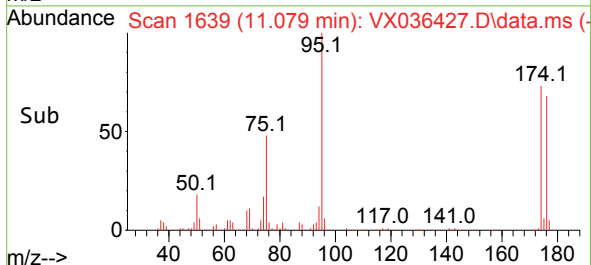
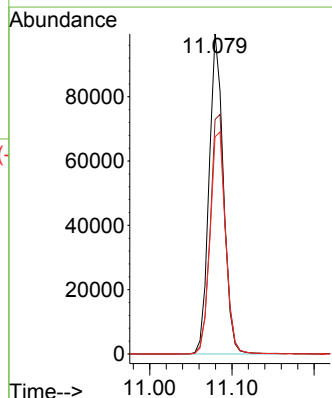
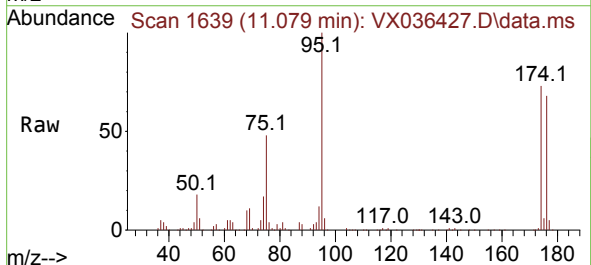
Tgt Ion: 95 Resp: 120457

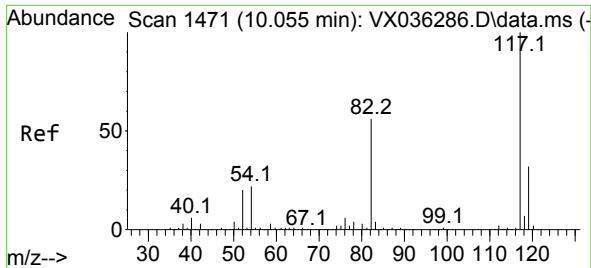
Ion Ratio Lower Upper

95 100

174 79.3 0.0 135.6

176 74.7 0.0 131.0

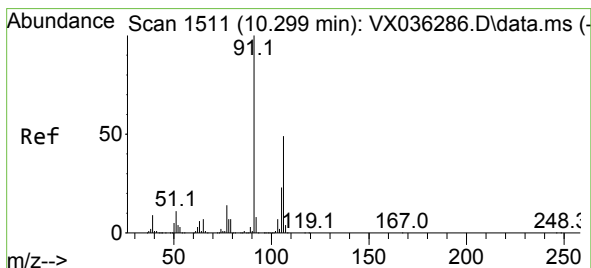
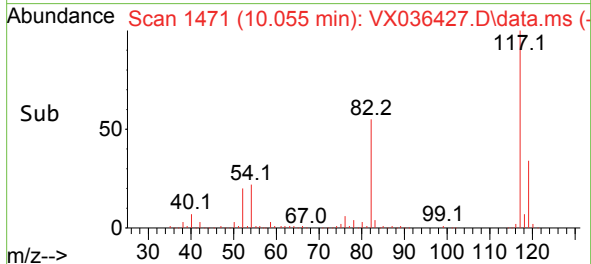
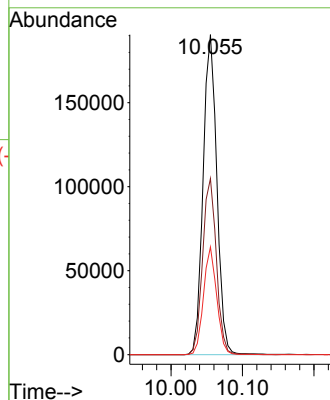
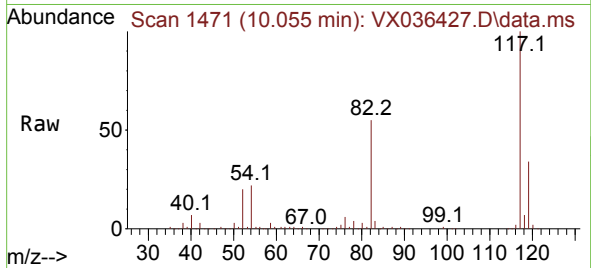




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

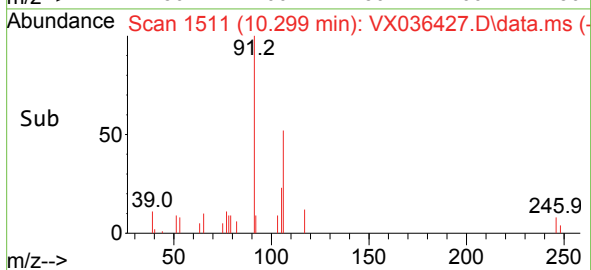
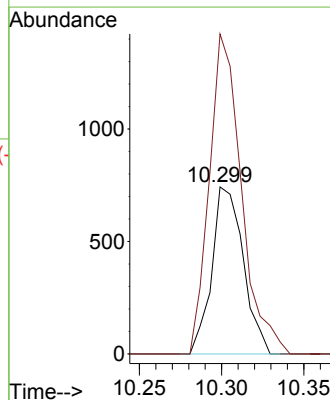
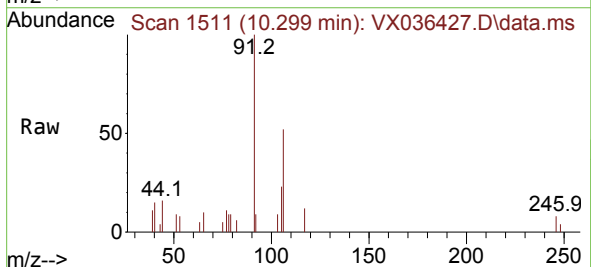
Instrument :
MSVOA_X
ClientSampleId :
FB-060923

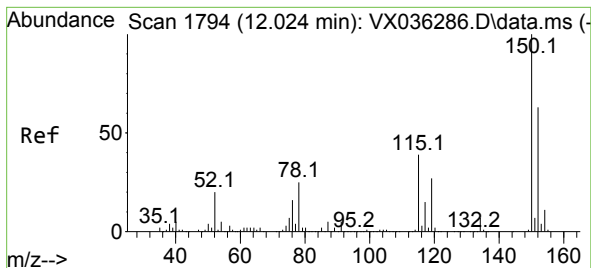
Tgt Ion:117 Resp: 254650
Ion Ratio Lower Upper
117 100
82 55.0 46.2 69.4
119 33.7 25.5 38.3



#68
m/p-Xylenes
Concen: 0.266 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

Tgt Ion:106 Resp: 985
Ion Ratio Lower Upper
106 100
91 196.0 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036427.D

Acq: 06 Jul 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

FB-060923

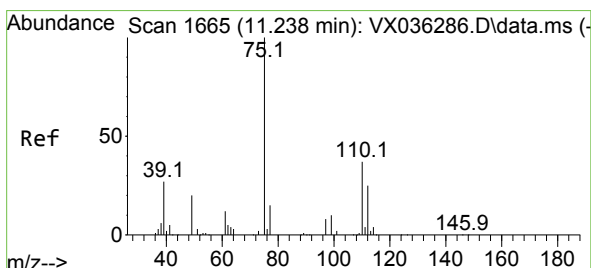
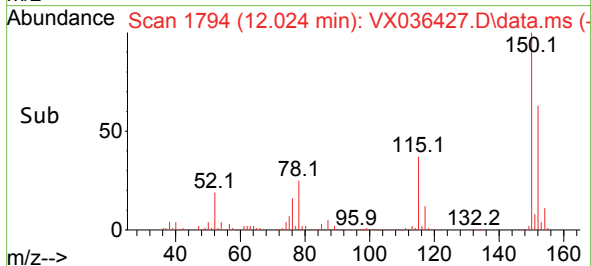
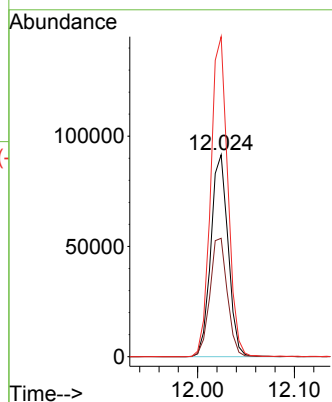
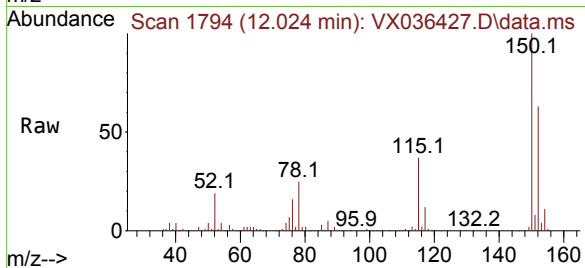
Tgt Ion:152 Resp: 113672

Ion Ratio Lower Upper

152 100

115 59.6 43.3 129.9

150 157.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.021 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036427.D

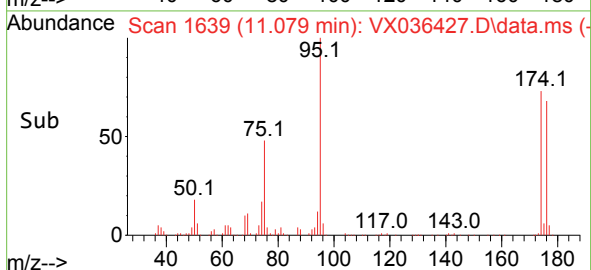
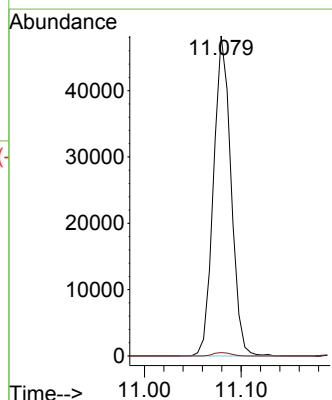
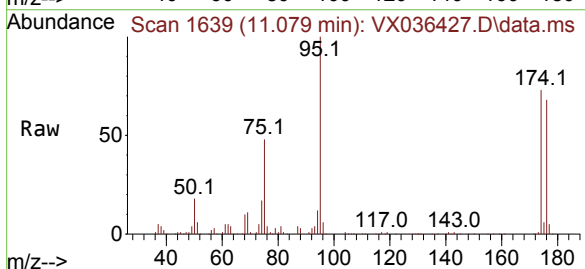
Acq: 06 Jul 2023 11:55

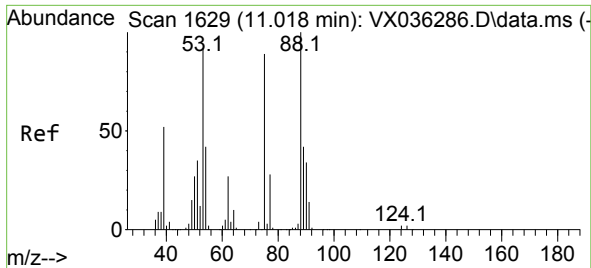
Tgt Ion: 75 Resp: 60668

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

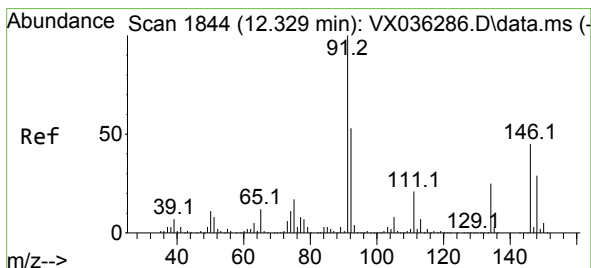
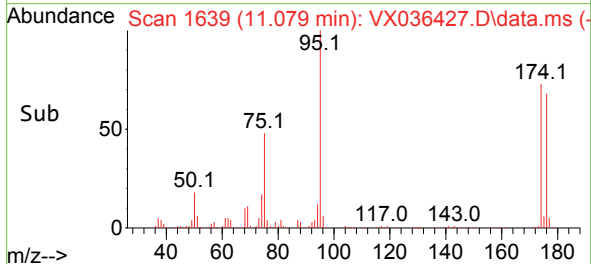
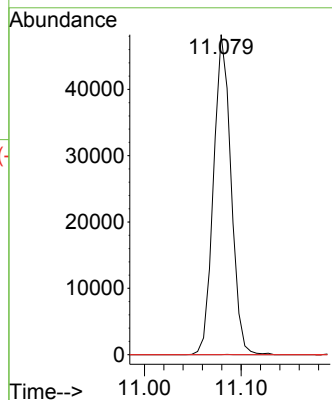
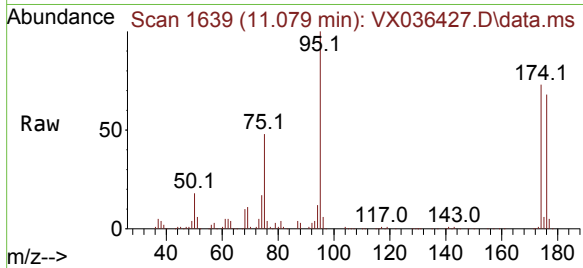




#81
trans-1,4-Dichloro-2-butene
Concen: 81.563 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

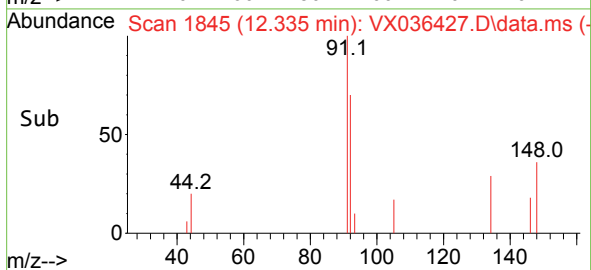
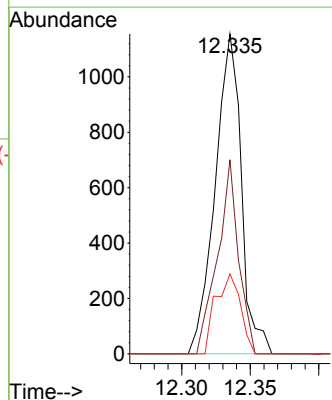
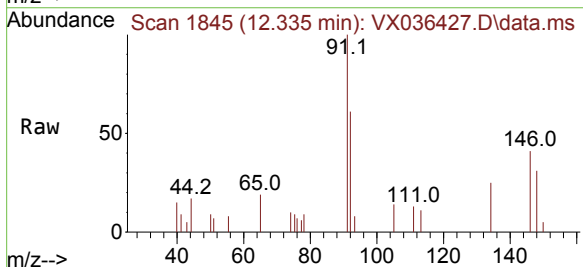
Instrument :
MSVOA_X
ClientSampleId :
FB-060923

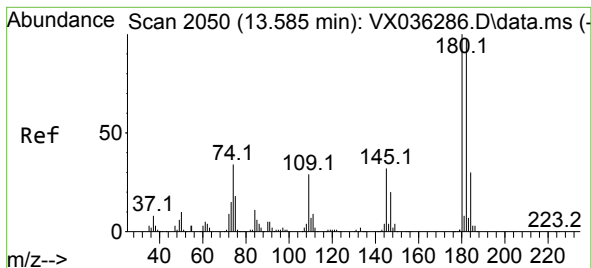
Tgt Ion: 75 Resp: 60668
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.233 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

Tgt Ion: 91 Resp: 1530
Ion Ratio Lower Upper
91 100
92 48.8 27.4 82.0
134 23.6 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.413 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX036427.D

Acq: 06 Jul 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

FB-060923

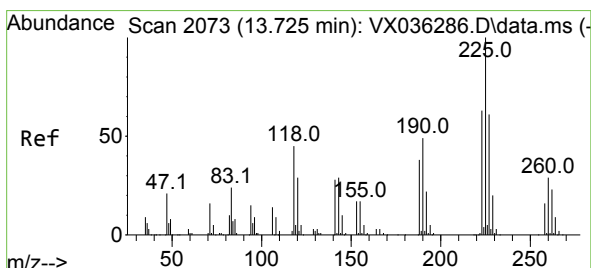
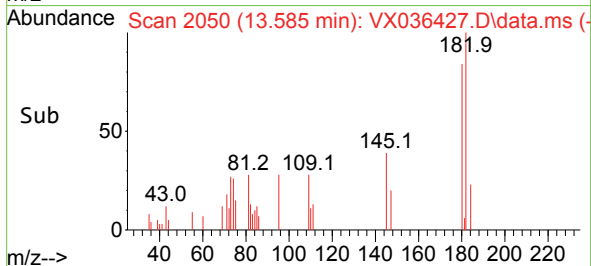
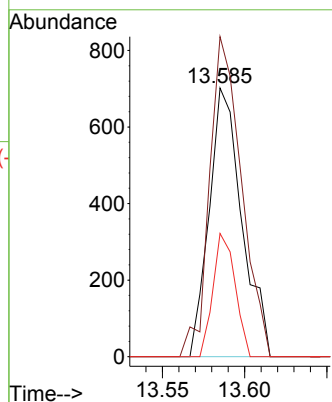
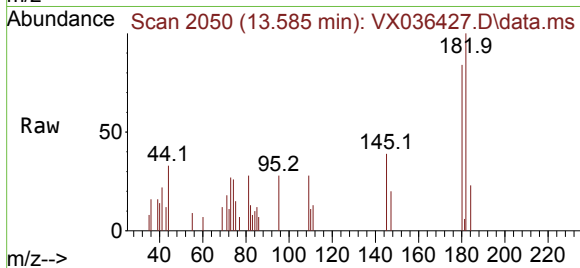
Tgt Ion:180 Resp: 969

Ion Ratio Lower Upper

180 100

182 116.5 48.3 144.8

145 31.0 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.541 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX036427.D

Acq: 06 Jul 2023 11:55

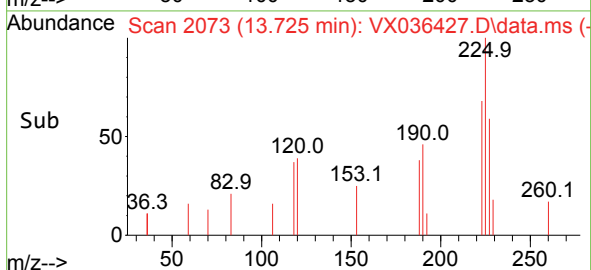
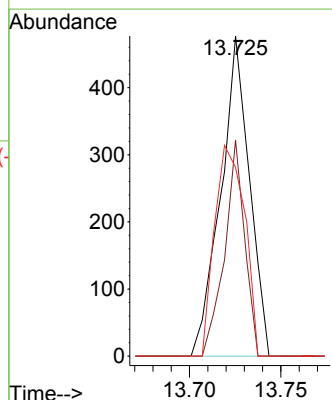
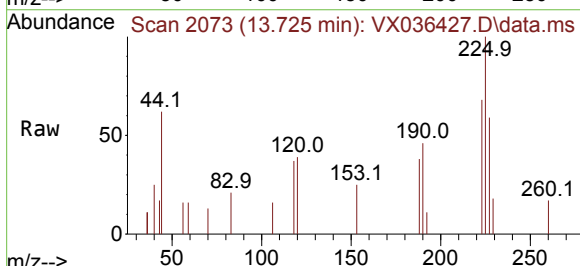
Tgt Ion:225 Resp: 520

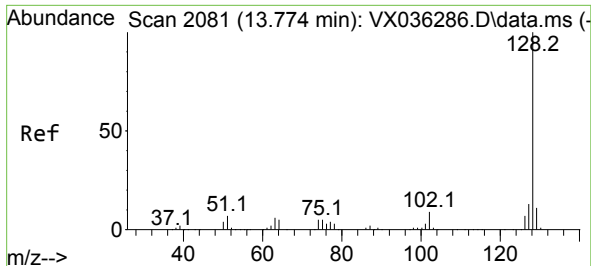
Ion Ratio Lower Upper

225 100

223 47.1 31.1 93.2

227 68.7 32.5 97.5

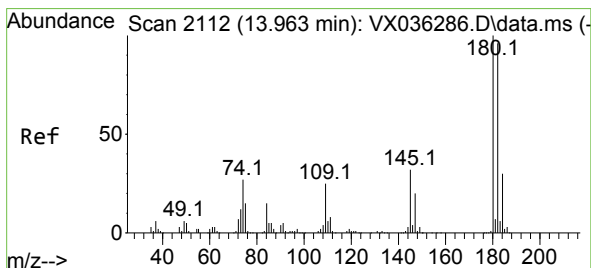
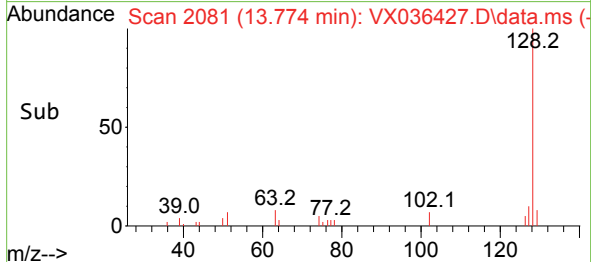
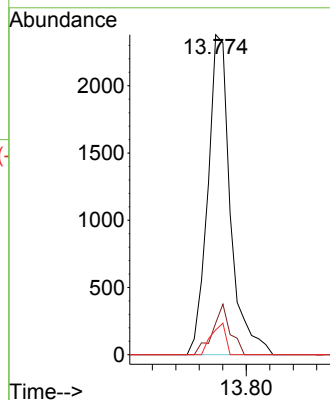
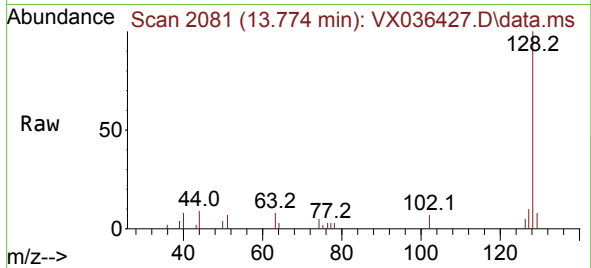




#95
Naphthalene
Concen: 0.409 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

Instrument :
MSVOA_X
ClientSampleId :
FB-060923

Tgt Ion:128 Resp: 3176
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 6.2 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.408 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX036427.D
Acq: 06 Jul 2023 11:55

Tgt Ion:180 Resp: 935
Ion Ratio Lower Upper
180 100
182 85.1 46.9 140.6
145 32.2 17.8 53.5

